Edge Technology Power Ltd
Suitcase Gas Conversion Kit C Operating Instructions

Introduction:

The engine uses approx 0.33kg of gas per Kw per hour. For short periods of running any size of cylinder may be used but long term running (particularly in cold conditions) may cause freezing of the cylinder with consequent loss of power.

For reliable operation use cylinder of a least 19kg net capacity. In cold weather it may be necessary to use 49kg cylinders.

CAUTION:

PROPANE VAPOUR IS HIGHLY FLAMMABLE. AVOID NAKED LIGHTS, CIGARETTS, ETC, WHEN CONNECTING THE ENGINE TO THE CYLINDER.

1. Ensure there is no petrol in the generator fuel tank.
2. Connect the gas supply hose to the cylinder.
3. Ensure the cylinder valve seat and the hose union is clean before screwing them together.
4. Depress fuel controller prime button for 1–2 seconds only.
5. Start engine in normal way.
6. NOTE: >>> DO NOT USE CHOKE.
7. Stop Engine by turning off gas.

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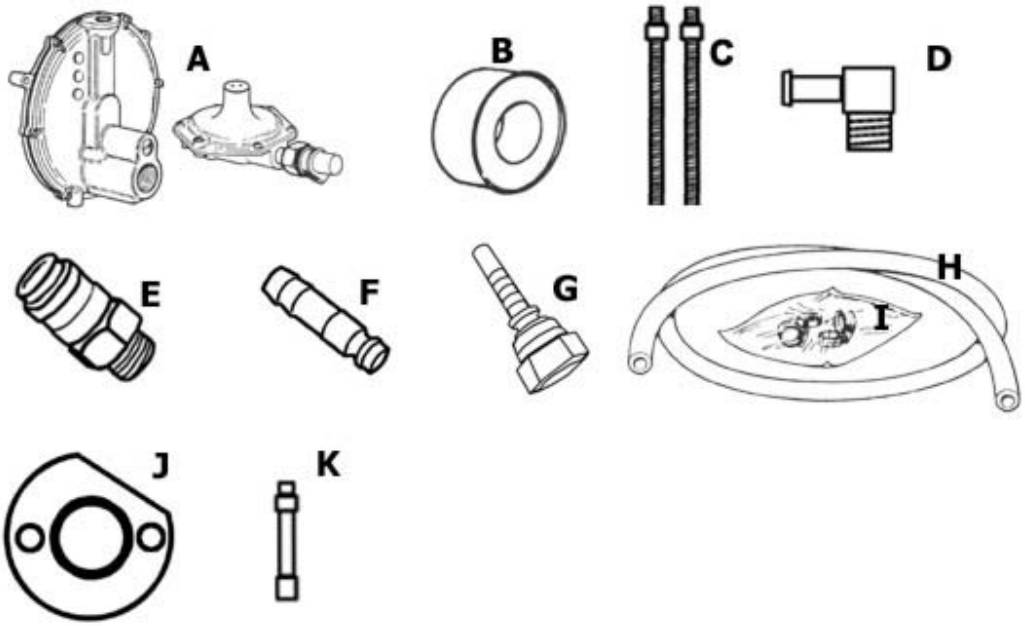
Edge Technology Power Ltd
Suitcase generator gas kit parts list



A. Regulator & Garretson
Bush 3/4 x 3/8
Nipple 3/8

B. PTFE

C. Extension Studs

D. Elbow 3/8 x 10mm

E. Female Gas Connector

F. Male Gas Connector

G. Swaged fitting 1/4 BSP to 10mm

H. 1.5 M x 10mm hose
400mm x 6mm hose

I. 2 x hose clips (Large)
1 x hose clip (Medium)
1 x hose clip (small)

J. Carburettor adaptor

K. Jet Nozzle

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Suitcase Gas Conversion Kit C Fitting Instructions

Please note that PTFE tape is to be used on all threaded fittings.

1. Attach male gas connector to the 400mm x 6mm hose and secure with the medium clip
2. Remove the side cover.
3. Drill a 15 mm hole below the side cover as shown in fig 1.
4. Undo the two nuts on the air intake to carburetor.
5. Pull off the crank case breather.
6. Remove air intake.
7. Remove the carburetor studs one at a time and replace with the new studs (parts L). Make sure the carburetor is seated correctly and that all gaskets are in place.
8. Screw the brass jet (part K) into the aluminum adaptor (part J)
9. Feed the hose through the 15mm hole (see fig 2)
10. Attach the 6mm I/D hose to the brass jet (part K) and secure with the small clip.
11. Fit the aluminum adaptor (part F) as shown in Fig 1 (Dotted outline)
12. Refit the air intake manifold making sure it fits correctly into the rubber link on the air cleaner box (See fig 3)
13. Replace the carburetor nuts and the crank case breather.
14. Replace Air Filter.
15. Replace the side cover.
16. Connect the female connector to 1/4 BSP
17. Secure to 1.5m x 10mm hose and secure with clip

FIG 1

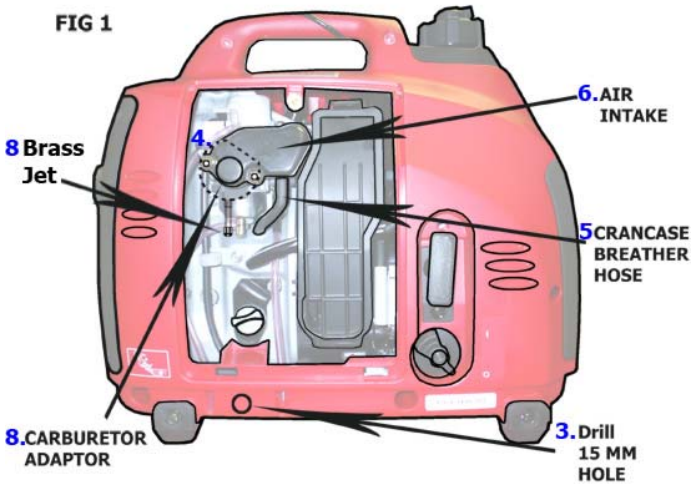


FIG 2

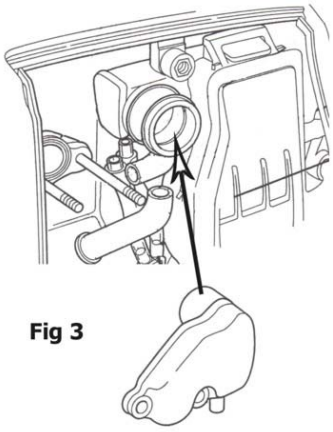
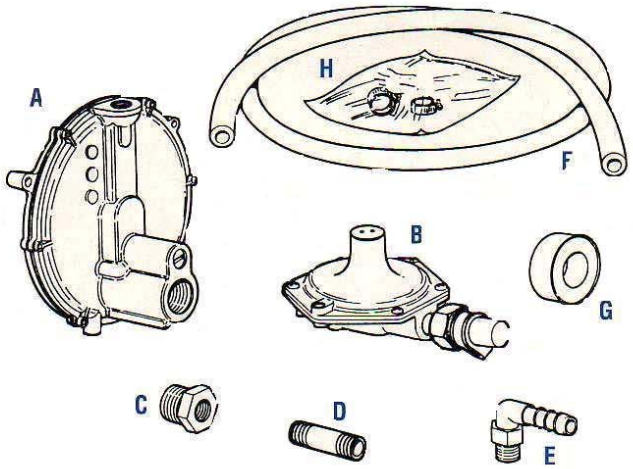


Fig 3

You are now ready to prepare to start.

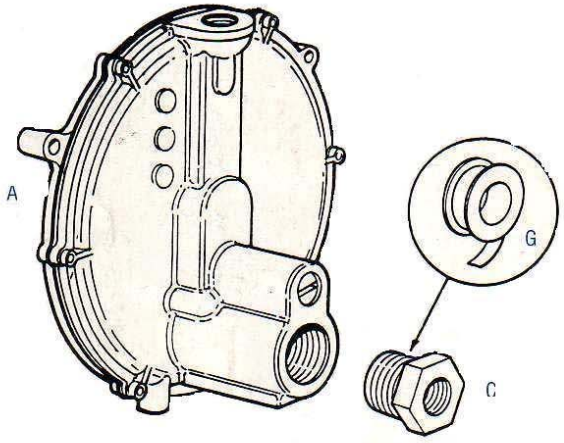
* Check that you have enough oil in the sump.
* Make sure that there is no petrol in the tank and that the carburetor is drained
* Connect male connector to the female connector.
* Attach BRC to gas cylinder.
  (Do not use PTFE tape on this fitting)
* Turn on the gas.
* Turn the rotary switch on the generator to the '**On'** position.
* Hold the priming button on the BRC in for 1 second
* Start the generator with the recoil starter.

Suitcase Gas Conversion Kit C Components – Appendix A



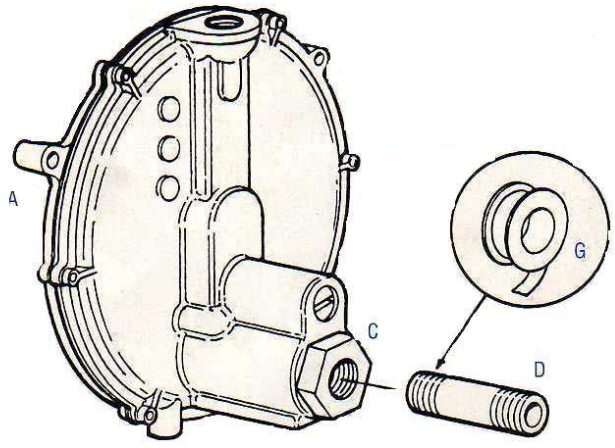
CONTENTS - VAPOUR KIT C

- A Garretson Fuel Controller
- B Regulator
- C Bush $^{3}/_{4}$ x $^{3}/_{8}$
- D Nipple $^{3}/_{8}$
- E Nozzle Elbow $^{3}/_{8}$ x 13mm Hose
- F 13mm Hose
- G PTFE Tape
- H Hose Clips 13mm (2x)



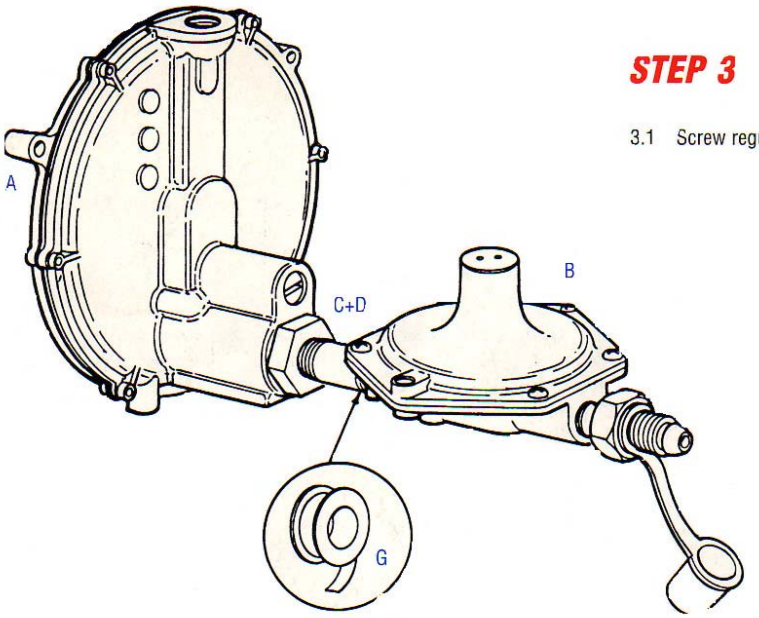
STEP 1

1.1 Tape (G) thread of bush (C)
1.2 Fit bush (C) to inlet of Garretson Fuel Controller (A)



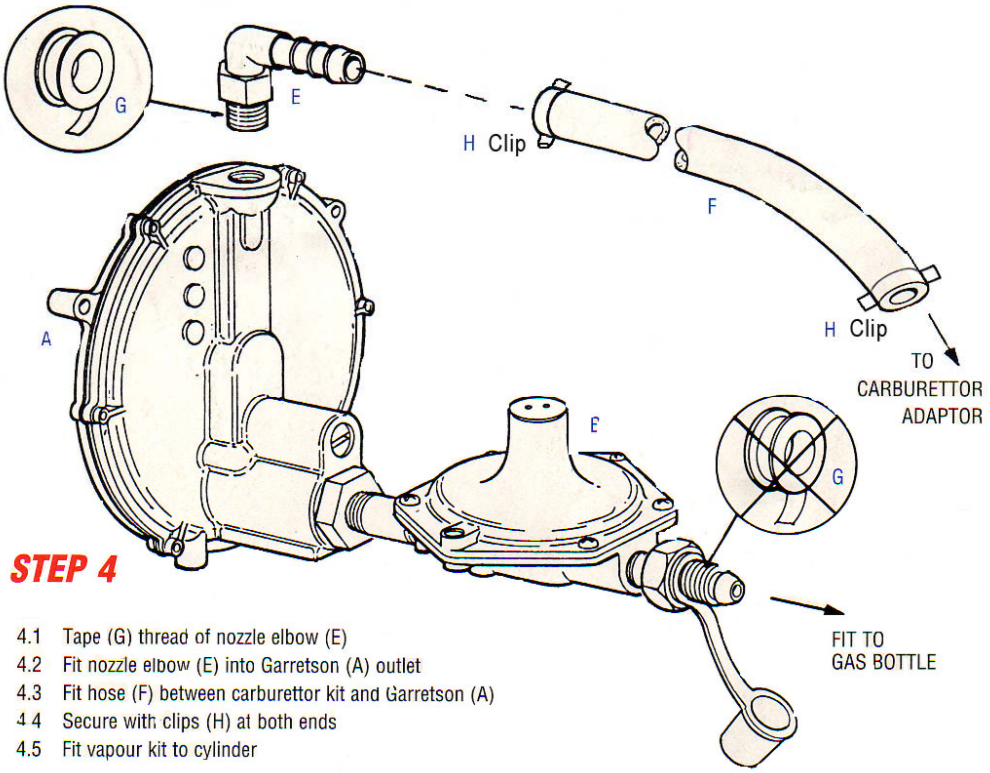
STEP 2

2.1 Tape (G) both threads of nipple (D)
2.2 Fit nipple (D) into bush (C)



STEP 3

3.1 Screw regulator (B) on to nipple (D)



STEP 4

4.1 Tape (G) thread of nozzle elbow (E)
4.2 Fit nozzle elbow (E) into Garretson (A) outlet
4.3 Fit hose (F) between carburettor kit and Garretson (A)
4 4 Secure with clips (H) at both ends
4.5 Fit vapour kit to cylinder

ATTENTION BEFORE USING THE EQUIPMENT MAKE SURE THAT ALL RELEVANT CONNECTIONS AND JOINTS ARE GAS TIGHT